

Appln. No. Serial No. 10/806,587

Amdt. Dated 2/10/06

Third Response in Appln, Reply to Office Action of 11/10/2005

Page 3 of 6

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A cooling system for a fuel cell system comprising:
a circulation system including a circulation pump for circulating a coolant, ~~the coolant consisting essentially of water and glycol;~~
a fuel cell connected to the circulation system so as to be cooled by the coolant;
a heat exchanger connected to the circulation system so as to radiate heat from the coolant; and
a filter connected to the circulation system and configured to remove an oxidation reaction product ~~of the glycol~~ from flowing with the coolant, the filter comprising ruthenium supported on activated carbon.
- 2.-3. (Cancelled).
4. (Previously presented) The cooling system of claim 1, wherein:
the filter comprises a pair of connection ports communicating with the circulation system, a tubular main body, a pair of mesh members made of stainless steel, the mesh members being respectively disposed at the both ends and the inside of the tubular main body.
5. (Original) The cooling system of claim 1, wherein:
the filter is disposed upstream of the circulation pump.

Appln. No. Serial No. 10/806,587

Amdt. Dated 2/10/06

Third Response in Appln, Reply to Office Action of 11/10/2005

Page 4 of 6

6.-8 (Cancelled).

9. (Currently amended) A cooling method for a fuel cell system comprising the steps of:
circulating coolant consisting essentially of water and glycol through a fuel cell, a
heat exchanger and a filter, wherein the filter comprises ruthenium supported on activated
carbon; and

removing oxidation reaction product of the glycol ~~from~~ flowing with the coolant by
the filter.

10. (Original) The cooling method of claim 9, wherein:
the removing step comprises filtering the oxidation reaction product.

11.-13. (Cancelled).